

THE McCLELLAN PATENT GUIDE FRAME COMBINATION ANGLE AND BREAST BRACE.

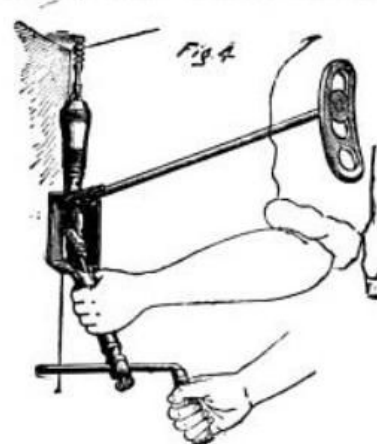
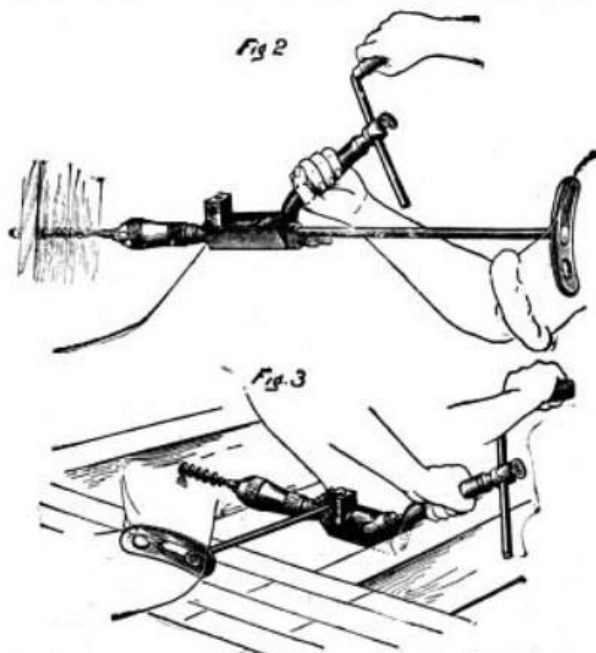


Fig. 2 being used as an ordinary breast brace.

Fig. 3 in use boring between joist in floor.

Fig. 4 overhead, in corner, or between upper ceiling joist.

Easily taken apart and put together.

This Brace is especially adapted to WORK WHERE IT WOULD BE IMPOSSIBLE TO BORE A HOLE WITH ANY OTHER TOOL. Telephone, Telegraph and Electrical Construction in general, Car Builders, Plumbers, Carpenters, etc., being PARTICULARLY USEFUL FOR CORNER BORING.

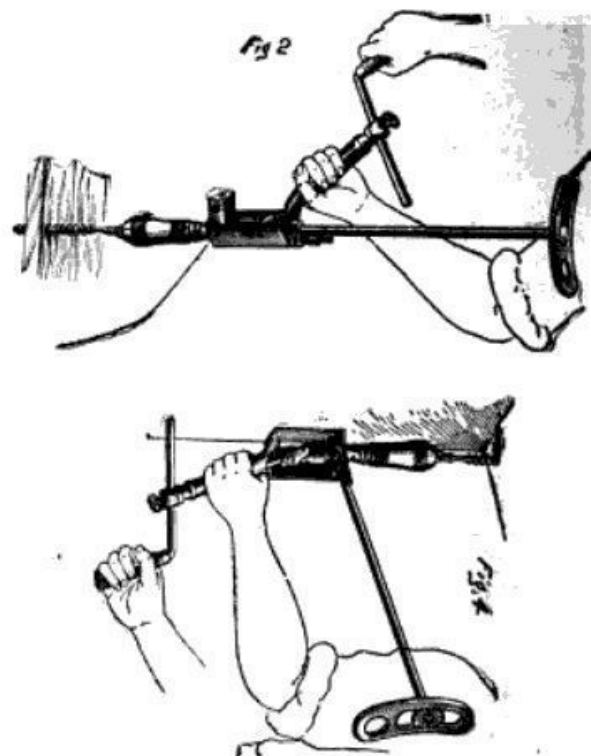
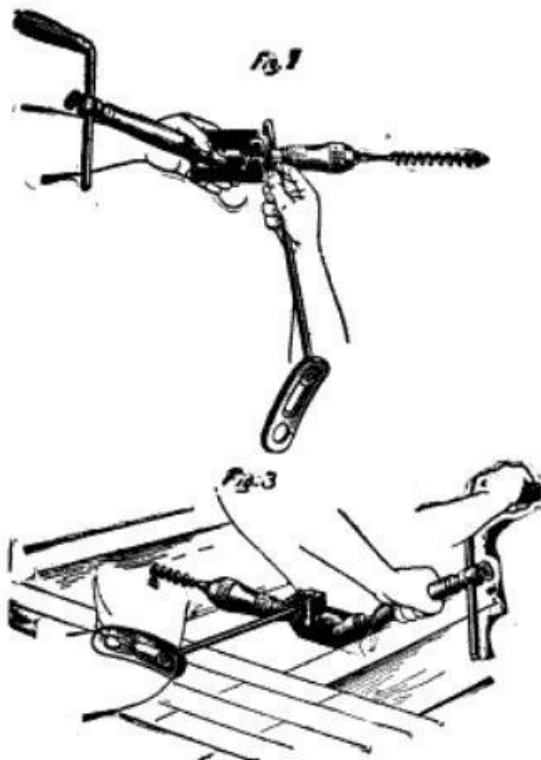
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A COMBINATION ANGLE AND BREAST BRACE.

The McClellan patent guide frame combination angle and breast brace, illustrated in this article, is used to the greatest advantage in cases where it would be impossible to bore a hole with any other tool. This advantage



The McClellan Patent Guide Frame Combination Angle and Breast Brace.

Fig. 1 represents assembling the breast rest into one of the positions.

Fig. 3 in use boring between joist in floor.

Fig. 2 being used as an ordinary breast brace.

Fig. 4 overhead, in corner, or between upper ceiling joist.

makes it the superior of all other breast braces. Its use for corner boring makes it unique, and the facilities with which holes can be bored in a limited space with accuracy and speed leaves nothing to be desired in this piece of apparatus. The breast brace can be readily taken apart, the breast rest can be detached and the handle so adjusted as to have a radial sweep of from four to thirteen inches. This article finished with a hardwood handle, either nickleplated or japanned, is for sale by Patterson Brothers, 27 Park Row, New York.

UP-TO-DATE TOOLS

after a fashion, by the use of a ratchet brace, but, by the use of the McClellan Patent Guide Frame Combination Angle and Breast Brace, a hole can be bored readily by a continuous movement. This advantage is of considerable importance where a series of



FIG. 1.

holes have to be bored for lines of wiring and tubing which occur in close and confined positions. While it is a perfect breast brace for ordinary use, as suggested in Fig. 1, it can as effectively bore holes in very contracted spaces. In Fig. 2 is shown the

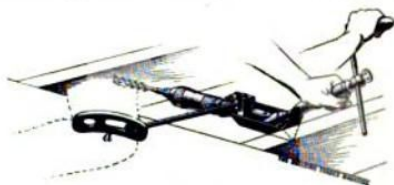


FIG. 2.

method of using the brace to bore holes in floor joists, the rest *a* being placed against the knee of the operator. No difficulty is encountered in boring at right angles to the face of the joist. In Fig. 3 is shown the form of the brace when arranged to bore a hole in a ceiling at an internal angle, the rest *a* being held firmly by the shoulder of the operator. It will be observed that by this contrivance holes can be bored true to both line and level, and that there need be no wobbling of the brace when in use. The handle is of hard wood, and can be adjusted to have a sweep of from 4 to 13 inches. The workmanship of the brace is of the finest, the parts being either nickel-plated or japanned. The retail price is \$3.50.

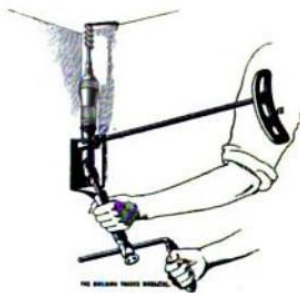


FIG. 3.

COMBINATION ANGLE AND BREAST BRACE.

MECHANICAL ingenuity seems to be without limit; although we have not, as yet, produced a gun that will shoot around a corner, we have now an appliance which will "bore a hole" in a corner. True, for some time this result has been accomplished,